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**STATE OF CALIFORNIA
DEPARTMENT OF PUBLIC HEALTH**

IN RE: **Summit Industrial Park Water System**
 Water System No. 1503543

TO: Michael Nixon, Owner
 Summit Industrial Park
 1582 Goodrick
 Tehachapi, CA 93561

BY REGISTERED MAIL

**CITATION FOR NONCOMPLIANCE -- Water System No. 1503543
TOTAL COLIFORM MCL VIOLATION -- May 2011
Citation No. 03-19-13C-007**

Issued on January 11, 2013

STATEMENT OF FACTS

Summit Industrial Park (hereinafter Water System) is classified as a non-transient non-community water system and serves a population of approximately 25 persons through six service connections. The Water System has one active source of supply, Well 01 (PS Code: 1503543-001) and one 50-gallon pressure tank. No treatment is currently provided to the well water. The Water System operates under the authority of a domestic water supply permit No. 03-19-07P-006, issued on March 12, 2007, by the California Department of Public Health.

The Southern California Drinking Water Field Operations Branch, Division of Drinking Water and Environmental Management, California Department of Public Health (hereinafter "Department") is responsible for enforcing the Safe Drinking Water Act and regulations promulgated pursuant thereto.

- 1
- 2 • The Summit Industrial Park (hereinafter Water System) is required to collect
- 3 one routine bacteriological samples per month. Please refer to the Water
- 4 System's approved Bacteriological Sample Siting Plan (BSSP) or Table 64423-
- 5 A.
- 6 • One (1) routine bacteriological quality sample collected on May 9, 2011, from
- 7 the distribution system tested positive for *E.coli* bacteria [Section 64426(a)(2),
- 8 *Authorities*].
- 9 • On May 11, 2011, Steve White from skOO'kum h2o Monitoring, Inc. (the
- 10 Water System's contract sampler and certified distribution operator), notified
- 11 the Department of the *E.coli* positive sample from May 9, 2011, sampling.
- 12 • On May 11, 2011, the Department issued a Boil Water Notice (BWN) in
- 13 response to the *E.coli* positive distribution sample collected on May 9, 2011.
- 14 The BWN was issued to the customers on the same day.
- 15 • The Water System was required to collect two consecutive rounds of total
- 16 coliform negative samples (each round consisting of five samples from the
- 17 distribution system and one sample from the well) and complete the
- 18 investigation report in order to cancel the BWN.
- 19 • Two (2) out of three (3) repeat bacteriological quality samples collected from
- 20 the distribution system, on May 12, 2011, tested positive for *E.coli* bacteria
- 21 [Section 64426.1(b)(3), *Authorities*].
- 22 • One (1) repeat sample collected from Well 01 on May 12, 2011 (also counted
- 23 towards Ground Water Rule's trigger source sampling requirement) tested
- 24 positive for *E.coli* bacteria.
- 25 • Summit Industrial Park Water System failed the total coliform maximum
- 26 contaminant level (MCL) for May 2011 [Section 64426.1(b)(4), *Authorities*].
- 27

- 1 • On May 15, 2011, Mr. White notified (via email) the Department of the total
2 coliform MCL failure for May 2011.
- 3 • On May 11, 2011, an investigation report was emailed to the Water System to
4 investigate the source of *E.coli* positive sample.
- 5 • On August 16, 2011, the Department received a completed copy of the
6 investigation report in response to the *E.coli* positive sample(s) and May 2011
7 total coliform MCL failure. The investigation report was completed by
8 skOO'kum h2o Monitoring, Inc. on behalf of the Water System.
- 9 • The investigation report indicates the possible cause of contamination as
10 unknown. The Department does not agree with the findings of the
11 investigation report. A review of the bacteriological results indicates that Well
12 01 tested positive for *E.coli* bacteria on May 9, 2011, the same day the Water
13 System had a routine distribution sample that tested positive for *E.coli* bacteria,
14 and may be the cause of contamination in the distribution system. The Water
15 System used muriatic acid and chlorine to disinfect and flush the well to clear
16 bacteriological contamination. A well cycle test (consisting of five
17 bacteriological samples) was conducted on May 17, 2011, and all samples
18 collected during the cycle test tested negative for total coliform bacteria.
- 19 • A special sample collected on May 17, 2011, from the pressure tank of Well 01
20 also tested negative for total coliform bacteria.
- 21 • The Water System also chlorinated and flushed the distribution system to clear
22 bacteriological contamination from the distribution system.
- 23 • Five (5) routine samples were collected on June 3, 2011, following the May
24 2011 total coliform MCL violation.
- 25 • One (1) out of the five (5) samples collected on June 3, 2011, tested positive
26 for *E.coli* bacteria.

- 1 • Two (2) bacteriological samples collected on June 3 and June 6, 2011, from
- 2 Well 01 tested negative for total coliform bacteria.
- 3 • Following additional disinfection and flushing of the distribution system, the
- 4 Water System collected five (5) routine samples on June 9, 2011, from the
- 5 distribution system and they all tested negative for total coliform bacteria.
- 6 • All five (5) routine samples collected on June 10, 2011, from the distribution
- 7 system tested negative for total coliform bacteria.
- 8 • One (1) bacteriological sample collected on June 10, 2011, from Well 01 tested
- 9 negative for total coliform bacteria.
- 10 • The Water System did not fail the total coliform maximum contaminant level
- 11 in June 2011.
- 12 • All five (5) routine samples collected on July 12, 2011, from the distribution
- 13 system tested negative for total coliform bacteria.
- 14 • One (1) routine bacteriological sample collected on August 17, 2011, from the
- 15 distribution system tested negative for total coliform bacteria.
- 16 • On August 31, 2011, the Department issued a Safe Water Notice (SWN) after
- 17 the Water System satisfied the Department's directives and provided two
- 18 consecutive rounds of total coliform negative samples from the distribution
- 19 system and the system well. The SWN was issued to the customers on the
- 20 same day.
- 21 • All monthly routine samples collected from September 2011 to June 2012,
- 22 tested negative for total coliform bacteria.
- 23 • One (1) routine bacteriological sample collected on July 9, 2012, from the
- 24 distribution system tested positive for total coliform bacteria and negative for
- 25 *E.coli* bacteria.
- 26
- 27

- Three (3) repeat samples collected on July 13, 2012, from the distribution system and one (1) sample from Well 01 tested negative for total coliform bacteria.
- Repeat samples were not collected within 24 hours of being notified by the laboratory of the total coliform positive routine sample result [Section 64424(a), *Authorities*].
- The Water System did not fail the total coliform MCL for July 2012.
- Five (5) routine samples collected during the month of August 2012 tested negative for total coliform bacteria.
- All monthly routine samples collected from September 2012 to November 2012 tested negative for total coliform bacteria.
- Results of all bacteriological samples collected from January 2011 to November 2012 are summarized in **Attachment A**.

AUTHORITIES

Section 116577 of the CHSC, states in relevant part:

"(a) Each public water system shall reimburse the department for the actual costs incurred by the department for any of the following enforcement activities related to that water system:

- (1) Preparing, issuing, and monitoring compliance with, an order or citation.
- (2) Preparing, and issuing public notification

...

(b) The department shall submit an invoice for these enforcement costs to the public water system that requires payment prior to September 1 of the fiscal year following the fiscal year in which the costs were incurred. The invoice shall indicate the total hours expended, the reasons for the expenditure, and the hourly cost rate of the department. The costs set forth in the invoice shall not exceed the total actual costs to the department of the enforcement activities specified in this section."

Section 116650 of the California Health and Safety Code (hereinafter CHSC), states in relevant part:

"(a) If the department determines that a public water system is in violation of this chapter or any regulation, permit, standard, or order issued or adopted thereunder, the department may issue a citation to the public water system. The citation shall be served upon the public water system personally or by registered mail.

(b) Each citation shall be in writing and shall describe with particularity the nature of the violation, including a reference to the statutory provision, standard, order, or regulation alleged to have been violated.

(c) For continuing violations, the citation shall fix the earliest feasible time for elimination or correction of the condition constituting the violation where appropriate. If the public water system fails to correct a violation within the time specified in the citation, the department may assess a civil penalty as specified in subdivision (e).

(d) For a noncontinuing violation of primary drinking standards, the department may assess in the citation a civil penalty as specified in subdivision (e).

(e) Citations issued pursuant to this section shall be classified according to the nature of the violation or the failure to comply. The department shall specify the classification in the citation and may assess civil penalties for each classification as follows:

(1) For violation of a primary drinking standard, an amount not to exceed one thousand dollars (\$1,000) per day for each day that the violation occurred, including each day that the violation continues beyond the date specified for correction in the citation or order.

(2) For failure to comply with any citation or order issued for violation of a secondary drinking water standard that the director determines may have a direct or immediate relationship to the welfare of the users, an amount not to exceed one thousand dollars (\$1,000) for each day that the violation continues beyond the date specified for correction in the citation or order.

(3) For failure to comply with any citation or order issued for noncompliance with any department regulation or order, other than a primary or secondary drinking water standard, an amount not to exceed two hundred dollars (\$200) per day for each day the violation continues beyond the date specified for correction in the citation."

Section 116655 of the CHSC, states in relevant part:

"(a) Whenever the department determines that any person has violated or is violating this chapter, or any permit, regulation, or standard issued or adopted pursuant to this chapter, the director may issue an order doing any of the following:

(1) Directing compliance forthwith.

(2) Directing compliance in accordance with a time schedule set by the department.

(3) Directing that appropriate preventative action be taken in the case of a threatened violation.

(b) An order issued pursuant to this section may include, but shall not be limited to, any or all of the following requirements:

(2) That purification or treatment works be installed."

California Code of Regulations (hereinafter, CCR), Title 22, Section 64423, Table 64423-A establishes the minimum routine sampling requirements, and states in relevant part:

<i>Monthly Population Served</i>	<i>Service Connections</i>	<i>Minimum Number of Samples</i>
25 to 1000	15 to 400	1 per month
1,001 to 2,500	401 to 890	2 per month
2,501 to 3,300	891 to 1,180	3 per month
3,301 to 4,100	1,181 to 1,460	4 per month
4,101 to 4,900	1,461 to 1,750	5 per month
4,901 to 5,800	1,751 to 2,100	6 per month
5,801 to 6,700	2,101 to 2,400	7 per month
6,701 to 7,600	2,401 to 2,700	2 per week
7,601 to 12,900	2,701 to 4,600	3 per week
12,901 to 17,200	4,601 to 6,100	4 per week
17,201 to 21,500	6,101 to 7,700	5 per week
21,501 to 25,000	7,701 to 8,900	6 per week
25,001 to 33,000	8,901 to 11,800	8 per week
33,001 to 41,000	11,801 to 14,600	10 per week
41,001 to 50,000	14,601 to 17,900	12 per week
50,001 to 59,000	17,901 to 21,100	15 per week

CCR, Title 22, Section 64424 establishes the repeat sampling requirements, and states in relevant part:

"(a) If a routine sample is total coliform-positive, the water supplier shall collect a repeat sample set as described in paragraph (a)(1) within 24 hours of being notified of the positive result. The repeat samples shall all be collected within the same 24 hour time period. A single service connection system may request that the Department allow the collection of the repeat sample set over a four-day period.

(1) For a water supplier that normally collects more than one routine sample a month, a repeat sample set shall be at least three samples for each total coliform-positive sample. For a water supplier that normally collects one or fewer samples per month, a repeat sample set shall be at least four samples for each total coliform-positive sample.

(2) If the water supplier is unable to collect the samples within the 24-hour time period specified in subsection (a) or deliver the samples to the laboratory within the 24 hours after collection because of circumstances beyond its control, the water supplier shall notify the Department within 24 hours. The Department will then determine how much time the supplier will have to collect the repeat samples.

(b) When collecting the repeat sample set, the water supplier shall collect at least one repeat sample from the sampling tap where the original total coliform-positive sample was taken. Other repeat samples shall be collected within five service connections upstream or downstream unless there is no upstream and/or downstream service connection.

(c) If one or more samples in the repeat sample set is total-coliform positive, the water supplier shall collect and have analyzed an additional set of repeat samples as specified in subsections (a) and (b). The supplier shall repeat this process until either no coliforms are detected in one complete repeat sample set or the supplier determines that the MCL for total coliforms specified in 64426.1 has been exceeded and notifies the Department.

(d) If a public water system for which fewer than five routine samples/month are collected has one or more total coliform-positive samples, the water supplier shall collect at least five routine samples the following month. If the supplier stops supplying water during the month after the total-coliform positive(s), at least five samples shall be collected during the first month the system resumes operation. A water supplier may request the Department waive the requirement to collect at least five routine samples the following month, but a waiver will not be granted solely on the basis that all repeat samples are total coliform-negative. To request a waiver, one of the following conditions shall be met:

(1) The Department conducts site visit before the end of the next month the system provides water to the public to determine whether additional monitoring and/or corrective action is necessary to protect public health.

(2) The Department determines why the sample was total coliform-positive and establishes that the system has corrected the problem or will correct the problem before the end of the next month the system serves water to the public. If a waiver is granted, a system shall collect at least one routine sample before the end of the next month it serves water to the public and use it to determine compliance with 64426.1."

CCR, Title 22, Section 64426 establishes the significant rise in bacteriological count and states in relevant part:

"(a) Any of the following criteria shall indicate a possible significant rise in bacterial count:

(1) A system collecting at least 40 samples per month has a total coliform-positive routine sample followed by two total coliform-positive samples in the repeat sample set;

(2) A system has a sample which is positive for fecal coliform or E. coli; or

(3) A system fails the total coliform Maximum Contaminant Level (MCL) as defined in 64426.1.

(b) When the coliform levels specified in subsection (a) are reached or exceeded, the water supplier shall:

(2) Submit to the Department information on the current status of physical works and operating procedures which may have caused the elevated bacteriological findings, or any information on community illness suspected of being waterborne. This shall include, but not be limited to:

- (A) Current operating procedures that are or could potentially be related to the increase in bacterial count;
- (B) Any interruptions in the treatment process;
- (C) System pressure loss to less than 5 psi;
- (D) Vandalism and/or unauthorized access to facilities;
- (E) Physical evidence indicating bacteriological contamination of facilities;
- (F) Analytical results of any additional samples collected, including source samples;
- (G) Community illness suspected of being waterborne; and
- (H) Records of the investigation and any action taken.”...

CCR, Title 22, Section 64426.1 establishes the total coliform maximum contaminant level and states in relevant part:

“(a) Results of all samples collected in a calendar month pursuant to Sections 64423, 64424, and 64425 that are not invalidated by the Department or the laboratory shall be included in determining compliance with the total coliform MCL. Special purpose samples such as those listed in 64421(b) and samples collected by the water supplier during special investigations shall not be used to determine compliance with the total coliform MCL.

(b) A public water system is in violation of the total coliform MCL when any of the following occurs:

- (1) For a public water system which collects at least 40 samples per month, more than 5.0 percent of the samples collected during any month are total coliform-positive; or
- (2) For a public water system with collects fewer than 40 samples per month, more than one sample collected during any month is total coliform-positive; or
- (3) Any repeat sample is fecal coliform-positive or E. coli-positive; or
- (4) Any repeat sample following a fecal coliform-positive or E. coli-positive routine sample is total coliform-positive.

(c) If a public water system is not in compliance with paragraphs (b)(1) through (4), during any month in which it supplies water to the public, the water supplier shall notify the Department by the end of the business day on which this is determined, unless the determination occurs after the Department office is closed, in which case the supplier shall notify the Department within 24 hours of the determination. The water supplier shall also notify the consumers served by the water system. A Tier 2 Public Notice shall be given for violations of paragraphs (b)(1) or (2), pursuant to section 64463.4. A Tier 1 Public Notice shall be given for violations of paragraphs (b)(3) or (4), pursuant to section 64463.1.”

DETERMINATIONS

Based upon the above Statement of Facts and Authorities, the Department determines that Summit Industrial Park Water System has violated the following:

1. CCR, Title 22, Sections 64426.1(b)(3) and 64426.1(b)(4); Specifically, the Water System violated the total coliform MCL for May 2011 when more than one sample collected in May 2011, tested positive for *E.coli* bacteria.

- 1 2. CCR, Title 22, Sections 64424(a); specifically, Specifically, in July 2012, the
2 Water System failed to collect repeat samples within 24 hours of receipt of
3 notification from the contract laboratory.
4

5 The above violations are classified as non-continuing violations.
6

7 **DIRECTIVES**

8 Summit Industrial Park Water System is hereby directed to take the following actions:
9

- 10 1. Cease and desist from failing to comply with Section 116555(a) of the
11 California Health and Safety Code and Sections 64426.1(b)(3), 64426.1(b)(4)
12 and 64424(a) of Title 22, California Code of Regulations.
13 2. In the future, the Water System shall collect the required number of repeat
14 samples within 24 hours receipt of notification from its contract laboratory.
15 3. The Water System shall reimburse the Department, in accordance with an
16 invoice that shall be provided to the Water System, the costs for enforcement
17 activities, and such reimbursement shall be made prior to September 1 (or by a
18 different date if specified by the Department) of the fiscal year following the
19 fiscal year in which such costs are incurred as described in CHSC Section
20 116577(a)(1-2) and 116577(b).
21 4. Any document requested by the citation shall be submitted to the following
22 address:

23 Jaswinder S. Dhaliwal, P.E., Senior Sanitary Engineer
24 Department of Public Health
25 Southern California Branch
26 Drinking Water Field Operations
27 4925 Commerce Drive, Suite 120
Bakersfield, CA 93309

FURTHER ENFORCEMENT ACTIONS

Section 116270, Division 104, Part 12, Chapter 4 of the CHSC authorizes the Department to: issue additional citations with assessment of penalties if the public water system continues to fail to correct a violation identified in a citation; take action to suspend or revoke a permit that has been issued to a public water system if the system has violated applicable law or regulations or has failed to comply with orders of the Department; and petition the superior court to take various enforcement measures against a public water system that has failed to comply with orders of the Department. The Department does not waive any further enforcement action by issuance of this citation.

PARTIES BOUND

This citation shall apply to and be binding upon Summit Industrial Park Water System, its officers, directors, agents, employees, contractors, successors, and assignees.

SEVERABILITY

The directives of this citation are severable, and Summit Industrial Park Water System shall comply with each and every provision thereof, notwithstanding the effectiveness of any other provision.


CIVIL PENALTY

Section 116650, subsection (d) and (e) of the CHSC allow for the assessment of a civil penalty for the failure to comply with the requirements of the Safe Drinking Water Act. Failure to comply with any Directive of this Citation may result in the Department imposing an administrative penalty of not less than \$200 (two hundred

1 dollars) for each day that the violation continues beyond the date set for correction in
2 this Citation.

3
4 The Department does not waive any further enforcement action by issuance of this
5 citation, and expressly reserves the right to issue a citation with penalties for the
6 violations on which the Directives of this citation are based.

7
8
9 Jan. 11, 2013
10 Date


11 Jaswinder S. Dhaliwal, P.E.
12 Senior Sanitary Engineer
13 Tehachapi District
14 SOUTHERN CALIFORNIA BRANCH
15 DRINKING WATER FIELD OPERATIONS

16 **Attachments**

17 Attachment A: Bacteriological Summary January 2011 through November
18 2012

19 cc: Kern County Environmental Health Services Department (w/o attachment)
20 skOO'kum h2o Monitoring, Inc.
21
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Attachment A

Summit Industrial Park Water System

1503543

Distribution System Freq: 1/M

Sample Date	Time	Location	T Coll	E Coll	F Coll	Type	Cl2	Violation	Comment
1/4/2011	12:00	1ROU	A	A		Routine			
2/8/2011	11:30	2ROU	A	A		Routine			
3/3/2011	11:55	1ROU	A	A		Routine			
4/4/2011	12:20	1ROU	A	A		Routine			
5/9/2011	12:27	3ROU	P	P		Routine			
5/12/2011	8:28	1REP1	P	P		Repeat			
5/12/2011	8:39	1REP2	A	A		Repeat			
5/12/2011	8:45	1REP3	P	P		Repeat		MCL	Citation No. 03-19-13C-007 issued.
5/17/2011	13:40	PRESSURE TAN	A	A		Other			
6/3/2011	8:30	5ROU	A	A		Routine			
6/3/2011	8:40	4ROU	A	A		Routine			
6/3/2011	8:45	3ROU	A	A		Routine			
6/3/2011	8:50	2ROU	A	A		Routine			
6/3/2011	9:00	1ROU	P	P		Routine			
6/9/2011	8:00	1ROU	A	A		Routine			
6/9/2011	8:10	2ROU	A	A		Routine			
6/9/2011	8:15	3ROU	A	A		Routine			
6/9/2011	8:20	4ROU	A	A		Routine			
6/9/2011	8:25	5ROU	A	A		Routine			
6/10/2011	8:40	1ROU	A	A		Routine			
6/10/2011	8:52	2ROU	A	A		Routine			
6/10/2011	8:52	3ROU	A	A		Routine			
6/10/2011	9:05	4ROU	A	A		Routine			
6/10/2011	9:10	5ROU	A	A		Routine			
7/12/2011	12:00	1ROU	A	A		Routine			
7/12/2011	12:05	2ROU	A	A		Routine			
7/12/2011	12:12	3ROU	A	A		Routine			
7/12/2011	12:18	4ROU	A	A		Routine			
7/12/2011	12:25	5ROU	A	A		Routine			
8/17/2011	15:50	1ROU	A	A		Routine			
9/12/2011	11:15	1ROU	A	A		Routine			
10/24/2011	11:25	1ROU	A	A		Routine			
11/9/2011	13:25	1ROU	A	A		Routine			
12/6/2011	10:58	1ROU	A	A		Routine			
1/10/2012	8:00	1ROU	A	A		Routine			
2/2/2012	8:15	1ROU	A	A		Routine			

<i>Sample Date</i>	<i>Time</i>	<i>Location</i>	<i>T Coll</i>	<i>E Coll</i>	<i>F Coll</i>	<i>Type</i>	<i>Cl2</i>	<i>Violation</i>	<i>Comment</i>
3/1/2012	10:15	1ROU	A	A		Routine			
4/9/2012	11:05	1ROU	A	A		Routine			
5/8/2012	10:20	1ROU	A	A		Routine			
6/1/2012		1ROU	A	A		Routine			
7/9/2012	16:15	1ROU	P	A		Routine			
7/13/2012	8:00	1REP1	A	A		Repeat			
7/13/2012	8:15	1REP2	A	A		Repeat			
7/13/2012	8:30	1REP3	A	A		Repeat			
8/6/2012	13:30	5ROU	A	A		Routine			
8/6/2012	13:40	4ROU	A	A		Routine			
8/6/2012	13:50	3ROU	A	A		Routine			
8/6/2012	14:00	2ROU	A	A		Routine			
8/6/2012	14:10	1ROU	A	A		Routine			
9/6/2012	7:45	1ROU	A	A		Routine			
10/8/2012	9:30	1ROU	A	A		Routine			
11/13/2012	12:00	1ROU	A	A		Routine			

Summit Industrial Park Water System

1503543

Source Monitoring Freq:

<i>Sample Date</i>	<i>Time</i>	<i>Source</i>	<i>T Coll</i>	<i>E Coll</i>	<i>F Coll</i>	<i>Violation</i>	<i>Comment</i>
5/12/2011	8:50	WELL #1	P	P			
5/17/2011	13:44	WELL #1	<1.1	<1.1			
5/17/2011	13:45	WELL #1	<1.1	<1.1			
5/17/2011	13:49	WELL #1	<1.1	<1.1			
5/17/2011	13:59	WELL #1	<1.1	<1.1			
5/17/2011	14:14	WELL #1	<1.1	<1.1			
6/3/2011	8:00	WELL #1	<1	<1			
6/6/2011	10:50	WELL #1	<1.1	<1.1			
6/10/2011	9:14	WELL #1	A	A			
7/13/2012	9:00	WELL #1	A	A			
